

INFLUENZA VACCINE PLANNING FORMULA

AGE GROUP	FORMULA	GUESTIMATE # DOSES			TYPE OF VACCINE
		Total (100%)	Public (40%)	Private (60%)	
6 mos up to 24 mos	$\frac{50}{(\# \text{ children } 6-23)} \times 2 = \frac{100}{(\# \text{ doses})}$	100	40	60	Preservative Free
24 mos up to 3 rd birthday	$\frac{50}{(\# \text{ children } 24-35 \text{ mos})} \times \frac{11\%}{(\% \text{ of HR})} \times 2 = \frac{12}{(\# \text{ doses})}$	12	5	7	Preservative Free
	Subtotal	112	45	67	Preservative Free
3 yrs up to 9 th birthday	$\frac{300}{(\# \text{ children } 3-9 \text{ yrs of age})} \times \frac{11\%}{(\% \text{ HR})} \times \frac{1.5}{(\% \text{ needing } 2 \text{ doses})} = \frac{50}{(\# \text{ doses})}$	50	20	30	Fluzone Fluvirin > age 4
9 yrs up to 19 th birthday	$\frac{500}{(\# \text{ children } 9-19 \text{ yrs of age})} \times \frac{11\%}{(\% \text{ of HR})} = \frac{55}{(\# \text{ doses})}$	55	22	33	Fluzone Fluvirin FluMist
Persons < 19 years of age who are Household Contacts of High-risk person	$\frac{500}{(\# \text{ children } 6 \text{ mos to } 19 \text{ years})} - \frac{11}{(11\% \text{ HR})} \times \frac{40\%}{(40\%)} \times \frac{10\%}{(10\%)} = \frac{178}{(\# \text{ doses})}$	178	72	106	Fluzone Fluvirin FluMist
	TOTAL	283	114	169	

Percentage based on CDC projections:

40% uptake of vaccine for recommended groups

40% of all children 2-18 years of age will be in a household with a high-risk person;

10% uptake of vaccine for household contacts of high-risk persons

11% of children have a high-risk condition

